| الحري                                   | *           |   | s:                                      | Cionocaliantia 2 4 UCI 2001                         |  |  |  |  |  |  |
|---|-------------|---|---|---|--|--|--|--|--|--|
| FORM P                                  | TO-1390     | (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRAI  | EMAICH OF FIED                          | TTORNEY'S DOCKET NUMBER                             |  |  |  |  |  |  |
| (KEV II                                 | TR          | ANSMITTAL LETTER TO THE UNITED ST   | AILS                                    | 557-SPL   |  |  |  |  |  |  |
|   |             | DESIGNATED/ELECTED OFFICE (DO/EO/   | US)                                     | S. APPLICATION NO. (IF KNOWN, SEE 37 CFR            |  |  |  |  |  |  |
|   |             | CONCERNING A FILING UNDER 35 U.S.C.   |   | 10/030004   |  |  |  |  |  |  |
| INTER                                   |             | ONAL APPLICATION NO. INTERNATIONAL FILING I<br>CT/US01/07125 March 7, 20  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | RIORITY DATE CLAIMED  March 7, 2000                 |  |  |  |  |  |  |
|   | OF IN       | VENTION   |   |   |  |  |  |  |  |  |
| COO                                     | PER         | ATIVE PLANNING SYSTEM AND METHOD  |   |   |  |  |  |  |  |  |
|   |             |   |   |   |  |  |  |  |  |  |
| APPL                                    | CANT        | (S) FOR DO/EO/US  | ·                                       | Labor E. Dicello, Loo T. Myroys and                 |  |  |  |  |  |  |
| Josep                                   | oh S.       | Lombardo, Richard A. Wojcik, Wayne A. Loschen, I<br>Çaudette  | David M. White, J                       | John F. Diceno, Lee 1. Wiyers and                   |  |  |  |  |  |  |
|   |             |   | o (DO/EO/US) the fe                     | ollowing items and other information:               |  |  |  |  |  |  |
| Appli                                   | cant h      | erewith submits to the United States Designated/Elected Office  |   | onowing items and onior information.                |  |  |  |  |  |  |
| l.                                      | $\boxtimes$ | This is a FIRST submission of items concerning a filing und   |   |   |  |  |  |  |  |  |
| 2.                                      |             | This is a SECOND or SUBSEQUENT submission of items  | concerning a filing u                   | nder 35 U.S.C. 371.                                 |  |  |  |  |  |  |
| 3.                                      | $\boxtimes$ | This is an express request to begin national examination proc<br>(9) and (24) indicated below.                    | edures (35 U.S.C. 37                    | 71(f)). The submission must include itens (5), (6), |  |  |  |  |  |  |
| 4.                                      | $\boxtimes$ | The US has been elected by the expiration of 19 months from   | the priority date (A                    | rticle 31).   |  |  |  |  |  |  |
| 53                                      | $\boxtimes$ | A copy of the International Application as filed (35 U.S.C. 3   | 71 (c) (2))                             |   |  |  |  |  |  |  |
| 113                                     |             | a.   is attached hereto (required only if not communicate)  | ed by the Internation                   | nal Bureau).  |  |  |  |  |  |  |
| فرزا                                    |             | b.   has been communicated by the International Bureau  | 1.                                      |   |  |  |  |  |  |  |
| The same that the below the             |             | c.  is not required, as the application was filed in the U  | Inited States Receiving                 | ng Office (RO/US).                                  |  |  |  |  |  |  |
| 6.                                      |             | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).                  |   |   |  |  |  |  |  |  |
|   |             | a.  is attached hereto.   |   |   |  |  |  |  |  |  |
| ·<br>第                                  |             | b.  has been previously submitted under 35 U.S.C. 154(d)(4).  |   |   |  |  |  |  |  |  |
|   | $\boxtimes$ | DCT Article 10 (25 H S C 271 (c)(3))  |   |   |  |  |  |  |  |  |
|   |             | onal Bureau).   |   |   |  |  |  |  |  |  |
| 11.                                     | •           | b.  have been communicated by the International Bureau.   |   |   |  |  |  |  |  |  |
| 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |             | c. $\square$ have not been made; however, the time limit for ma   | nts has NOT expired.                    |   |  |  |  |  |  |  |
|   |             | d. \( \Delta \) have not been made and will not be made.  |   |   |  |  |  |  |  |  |
| 8.                                      |             | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).       |   |   |  |  |  |  |  |  |
| 9.                                      | Ø           | An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)  | 4)).                                    |   |  |  |  |  |  |  |
| 10.                                     |             | An English language translation of the annexes of the Intern Article 36 (35 U.S.C. 371 (e)(5)).                   | ational Preliminary F                   | Examination Report under PCF                        |  |  |  |  |  |  |
| 11.                                     |             | A copy of the International Preliminary Examination Report  | (PCT/IPEA/409).                         |   |  |  |  |  |  |  |
| 12.                                     |             | A copy of the International Search Report (PCT/ISA/210).  |   | ·   |  |  |  |  |  |  |
| 1                                       | tems I      | 3 to 20 below concern document(s) or information include  |   |   |  |  |  |  |  |  |
| 13.                                     |             | An Information Disclosure Statement under 37 CFR 1.97 a   | nd 1.98.                                |   |  |  |  |  |  |  |
| 14.                                     |             | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. |   |   |  |  |  |  |  |  |
| 15.                                     | X           | A FIRST preliminary amendment.  |   |   |  |  |  |  |  |  |
| 16.                                     |             | A SECOND or SUBSEQUENT preliminary amendment.   |   |   |  |  |  |  |  |  |
| 17.                                     |             | A substitute specification.   | •                                       |   |  |  |  |  |  |  |
| 18.                                     | . 🗆         | A change of power of attorney and/or address letter.  |   |   |  |  |  |  |  |  |
| 19.                                     |             | A computer-readable form of the sequence listing in accord  |   |   |  |  |  |  |  |  |
| 20.                                     |             | A second copy of the published international application under 35 U.S.C. 154(d)(4).                               |   |   |  |  |  |  |  |  |
| 21.                                     |             | A second copy of the English language translation of the in   | ernational applicatio                   | on under 35 U.S.C. 154(d)(4).                       |  |  |  |  |  |  |
| 22.                                     | $\boxtimes$ | Certificate of Mailing by Express Mail  |   |   |  |  |  |  |  |  |
| 23.                                     |             | Other items or information:   |   |   |  |  |  |  |  |  |
|   |             |   |   |   |  |  |  |  |  |  |

| _  | •                                 |  |                                  |  | 53                          | 37 H30                    | 'd PU                  | 1/2 2                              | 4 UU   201       |
|--|-----------------------------------|--|----------------------------------|--|-----------------------------|---------------------------|------------------------|------------------------------------|------------------|
| U.S. AJ  | PPLICATION                        | NO. OF KNOWN SE  | E3PCM A                          | INTERNATIONAL AF                                 | PLICATION                   | NO.                       |                        | ATTORNEY'S                         | DOCKET NUMBE     |
|  |                                   | 10/0.  |                                  | PCT/US   | 01/07125                    |                           |                        | 155                                | 7-SPL            |
| 24.  | The fol                           | lowing fees are sub  | mitted:.                         |  |                             |                           | CA                     | LCULATIONS                         | S PTO USE ONLY   |
|  |                                   | L FEE (37 CFR 1  |                                  |  |                             |                           |                        |                                    |                  |
|  | Neither inter                     | national preliminar<br>search fee (37 CFF  | y examination                    | fee (37 CFR 1.482) no                            | or                          |                           | - 1                    |                                    |                  |
|  | and Internat                      | ional Search Report  | not prepared                     | by the EPO or JPO                                |                             | \$1000                    | .00                    |                                    |                  |
| Ø  | International<br>USPTO but        | l preliminary exami<br>International Search  | nation fee (37<br>n Report prepa | CFR 1.482) not paid to<br>red by the EPO or JPC  | )<br>)                      | \$860                     | .00                    |                                    |                  |
|  | but internati                     | onal search fee (37  | CFR 1.445(a)                     | CFR 1.482) not paid to (2)) paid to USPTO        |                             | . \$710                   | 0.00                   |                                    |                  |
|  | International but all claim       | l preliminary exami<br>s did not satisfy pro   | nation fee (37<br>visions of PC  | CFR 1.482) paid to US<br>T Article 33(1)-(4)     | SPTO<br>·····               | \$690                     | .00                    |                                    |                  |
|  | Internationa<br>and all clain     | ns satisfied provision   | ns of PCT Art                    | CFR 1.482) paid to US icle 33(1)-(4)             | • • •                       | \$100                     | 0.00                   |                                    |                  |
|  |                                   | ENTER AP   | PROPRI                           | ATE BASIC FE                                     | E AMOI                      | UNT =                     |                        | \$860.00                           |                  |
| Surcha<br>month:   | rge of \$130.0<br>s from the ear  | 00 for furnishing the liest claimed priorit  | oath or decla<br>y date (37 CI   | ration later than<br>FR 1.492 (e)).              | □ 20                        | □ 30                      |                        | \$0.00                             |                  |
| CL.  | AIMS                              | NUMBER   | FILED                            | NUMBER EXT                                       | RA                          | RATE                      |                        |                                    |                  |
| Total c  | laims                             | 20   | - 20 =                           | 0  | x                           | \$18.00                   | )                      | \$0.00                             |                  |
| Indepe   | ndent claims                      | 2  | • 3 <b>=</b>                     | 0  | x                           | \$80.00                   | )                      | \$0.00                             |                  |
| Multip   | le Dependen                       | Claims (check if a   |                                  |  |                             |                           |                        | \$0.00                             |                  |
| 100  |                                   |  |                                  | ABOVE CALC                                       |                             |                           | =                      | \$860.00                           |                  |
| A I  | applicant clair<br>educed by 1/2  | ms small entity stati<br>2.  | ıs. (See 37 CF                   | R 1.27). The fees indic                          | ated above                  | are                       |                        | \$430.00                           |                  |
|  |                                   |  |                                  |  | SUBTO                       | DTAL                      | =                      | \$430.00                           |                  |
| Proces   | sing fee of \$1<br>s from the ear | 30.00 for furnishin  | g the English<br>ty date (37 CI  | translation later than<br>FR 1.492 (f)).         | □ 20                        | □ 30                      | +                      | \$0.00                             |                  |
| 3  |                                   |  |                                  | TOTAL NAT  | ONAL                        | FEE                       | =                      | \$430.00                           |                  |
| Fee fo   | r recording th                    | e enclosed assignm   | ent (37 CFR 1<br>heet (37 CFR    | .21(h)). The assignme<br>3.28, 3.31) (check if a | nt must be                  |                           | 0                      | \$0.00                             |                  |
|  | <b>F</b>                          |  |                                  | TOTAL FEES                                       |                             |                           | =                      | \$430.00                           |                  |
| *****<br>****  |                                   |  |                                  |  |                             |                           | An                     | nount to be:                       | \$               |
| 445  |                                   |  |                                  |  |                             |                           |                        | refunded<br>charged                | \$               |
|  |                                   |  |                                  |  |                             |                           |                        |                                    | <u> </u>         |
| a.<br>b.   | ⊠ Plea                            | neck in the amount on the section is the section in the section is the section in | sit Account N                    |  | in the amou                 |                           | \$430.00               | to cover t                         | he above fees.   |
|  |                                   | uplicate copy of this  |                                  |  |                             |                           |                        |                                    |                  |
| c.   |                                   | Commissioner is ho<br>eposit Account No.   | ereby authoriz                   | ed to charge any additi  A duplicate cop         | onal fees w                 | hich may l<br>eet is encl | be require<br>osed.    | ed, or credit any                  | overpayment      |
| d.   | Fee                               | s are to be charged t<br>rmation should no   | o a credit card<br>t be included | I. WARNING: Inform on this form. Provide         | ation on thi<br>credit card | s form ma<br>informatic   | y become<br>in and aut | public. Credit of horization on P7 | card<br>ГО-2038. |
| NOTE   | E: Where an                       | appropriate time l   | limit under 37                   | 7 CFR 1.494 or 1.495<br>re the application to p  | has not bee                 | en met, a p               | etition to             | revive (37 CF)                     | R                |
|  |                                   | ESPONDENCE TO  |                                  | abbuenerou eo b                                  |                             |                           | •                      | A. Coox                            | 0                |
| Fran   | cis A. Cooch                      |  |                                  |  |                             | Fla                       | nen 1                  | 4. Cooc                            | <u>h</u>         |
| Pate   | nt Counsel                        |  |                                  |  |                             | SIGNAT                    | )KE                    |                                    |                  |
| The Johns Hopkins University Francis A. Cooch            |                                   |  |                                  |  |                             |                           |                        |                                    |                  |
| Applied Physics Laboratory 11100 Johns Hopkins Road NAME |                                   |  |                                  |  |                             |                           |                        |                                    |                  |
|  | el, MD 2072                       |  |                                  | **   |                             | 31,495                    |                        |                                    |                  |
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| ı  |                                   |  |                                  |  |                             |                           |                        | _                                  |                  |
| ŧ  |                                   |  |                                  |  |                             | Vel                       | oves                   | 9, 200                             | <u> </u>         |
| Q  |                                   |  |                                  | •  |                             | DATE                      |                        | ,                                  |                  |